

## INTERNATIONAL SEARCH REPORT

 Internat Application No  
 PCT/GB 03/04739

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 F02M55/02 F02M55/00 F02M57/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 F02M		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 704 619 A (DAIMLER BENZ AG) 3 April 1996 (1996-04-03)	1-3, 10
Y	column 2, line 12 -column 3, line 2; figures 1-3	4-8
X	DE 195 44 241 A (VOLKSWAGENWERK AG) 13 June 1996 (1996-06-13)	1, 9
Y	column 3, line 65 -column 4, line 17; figures 1, 3	4, 6-8
Y	DE 101 08 572 A (CATERPILLAR INC) 27 September 2001 (2001-09-27) column 3, line 1 - line 8; figures 1, 5	5
X	DE 100 00 384 A (VOLKSWAGENWERK AG) 12 July 2001 (2001-07-12)	1, 9
A	column 2, line 38 -column 4, line 1; figures 1-6	4
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art 'Z' document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
16 March 2004		22/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 38 26 144 A (VOEST ALPINE AUTOMOTIVE)	1,9
A	15 February 1990 (1990-02-15) column 4, line 24 - line 51; figure 1	4,6-8

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Information on patent family members

International application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0704619	A	03-04-1996	DE 4434783 A1	11-04-1996
			DE 59500080 D1	13-02-1997
			EP 0704619 A1	03-04-1996
			US 5553592 A	10-09-1996
DE 19544241	A	13-06-1996	DE 19544241 A1	13-06-1996
DE 10108572	A	27-09-2001	DE 10108572 A1	27-09-2001
DE 10000384	A	12-07-2001	DE 10000384 A1	12-07-2001
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